

# kscbulletin



Fortieth Anniversary  
Pioneering the Future

National Aeronautics and  
Space Administration

No. 29-99 - July 23, 1999

John F. Kennedy Space Center  
Kennedy Space Center, Florida 32899

**Published weekly under the provisions of KMI 1590.2. Mail items to KSC Bulletin on KSC Form 7-121.**  
**All notices contained herein must comply with the nondiscriminatory principles of the Federal Equal Opportunity Program.**  
**Advertised items must be available without regard to race, color, religion, sex, age, national origin, or disability.**  
**URL: <http://www-lib.ksc.nasa.gov/lib/bulletin/bulletin.htm> (KSC only)**  
**Deadline for Official/Unofficial notices - Monday, 9 a.m.**

## OFFICIAL

### **JULY HEALTH EDUCATION & WELLNESS PROGRAM—YOUR MIND AND BODY—WHAT YOUR HEAD CAN DO TO YOUR HEALTH:**

July's health education packet will look at what your thoughts, attitudes and emotions can do to your health and well being. What effect does stress, anger, depression, positive or negative thinking, laughter and pleasure have on the body's susceptibility to, or prevention of, disease? Researchers are making new discoveries in how the mind-body connection can influence your life and health. Packets will be available at all medical facilities in July and upon request to Carol Roth, 867-3414, CHS-005, email **Roth-1, Carol**. (JJ-C)

**COLORECTAL CANCER SCREENING:** Screening kits (Hemoccult slides) are available at all medical facilities during hours of operation. (JJ-C)

**VISION SCREENING:** Tuesday, July 27, from 11 a.m. to 1 p.m. at the OHF (Occupational Health Facility). (JJ-C)

**KSC FITNESS CENTERS PRESENT LUNCH AND LEARN FOR JULY—BEATING THE BOREDOM BLUES:** July 23, 12:00 noon – 12:30 p.m. Bring your lunch and learn motivation techniques and tips for mixing up your workout program. Call 867-7829 for the location and to sign up. (JJ-C)

**KSC FITNESS CENTERS LUNCH AND LEARN:** Creative Journaling is the topic for the August 5 Lunch and Learn session in the O&C Fitness Center Aerobics Studio. Come at 12 noon and spend half an hour learning the many benefits of journaling. You will be surprised at what it can do for you and your health, both mentally and physically. Call 867-7829 to sign up. (JJ-C)

**EXERCISE AND PREGNANCY:** KSC Fitness Centers present Exercise and Pregnancy on Wednesday, July 28, from 4:30 p.m. to 5:30 p.m., in the O&C Aerobics Studio. You and your baby deserve the best health possible! Call 867-7829 to sign-up. (JJ-C)

**FLAGS AT HALF STAFF:** The flags of the United States flew at half staff at the Kennedy Space Center on Saturday, July 17, in honor of Mr. Douglas W. Hitzig, an Information Systems Associate with United Space Alliance. Mr. Hitzig died on July 7, and was buried on July 17. (FF-S1-B)

**LEAVE TRANSFER RECIPIENT:** Paula Schoneman, PZ-H-C, is a member of the leave transfer program and is in need of donations at this time. Any civil service employee who would like to donate annual leave, forms are available in any Administrative office, or in HM-A-3, HQ, Room 1404. (PH-E)

**EMPLOYEE ASSISTANCE PROGRAM:** All employees are reminded that the Employee Assistance Program offers free, confidential counseling to all Kennedy Space Center and Cape Canaveral Air Station employees. Appointments are necessary to ensure adequate time. This program is available Monday through Friday, 7:30 a.m. to 4:00 p.m. Appointments may be made by calling 867-7398. (JJ-C)

**TECHNOLOGY TRANSFER WEEK:** The third annual Technology Transfer Week will be July 26-30. Displays will be in HQ, July 26 & 27; SSPF, July 28 & 29; and, OSB, July 30. The Technology Programs and Commercialization Office staff will be on hand to answer questions. A recognition luncheon for Space Act Award recipients will be held August 11. For more information, call Pam Bookman at 867-6291. (MM-E)

**YEAR-END PROCESSING OF PROCUREMENT DOCUMENTS:** To assure contractual action prior to September 30, 1999, GG and OP have established June 30, 1999 as the cutoff date for receipt of MR/PR's over \$100,000, and July 30, 1999 as the cutoff date for receipt of MR/PR's less than \$100,000. For questions, call 867-7345, OP-AMO. (OP)

**KSC RIDESHARING PROGRAM:** The KSC Ridesharing Program assists you in joining existing car/van pools or forming new ones. Forms for the Ridesharing Program are available by calling 867-3420. The information provided on the forms will be fed into a computer which matches people by residential areas and compatibility of work hours. Each person responding will be sent a list of potential car or van poolers. The Brevard County Space Coast Area Transit provides the listings. (FF-S2-D)

**MISUSE OF THE NASA INSIGNIA:** Use of the computer templates, containing the NASA Insignia, for the production of NASA letterhead in electronic form is not authorized and should be removed from all computer systems. The Associate Administrator for Public Affairs has requested all NASA centers use only the printed NASA letterhead stationery. "The use of computer file NASA Insignias to custom design stationery provides opportunities for image manipulation and standards degradation which will adversely reflect the professional image of the Agency." If not approved for specific applications, electronic images of the NASA Logo ("worm") and Insignia ("meatball") should be removed from computer systems. (FF-S2-A)

**GRAPHICS/PUBLICATIONS:** Before you begin any work for publication, consult the JBOSC Graphics Department. According to the print shop, approximately three jobs per week have to be reworked because of problems with alignments, reductions, and postscript formats. By consulting with JBOSC Graphics first, you will eliminate wasted time and effort to rework your project. Graphics will ensure your artwork is produced efficiently and is suitable for reproduction. Graphics has electronic transfer capability, a proven method for first quality prints directly from the original, compared to low density reproductions from copied artwork. For information, call 867-3838. (FF-S2-A)

**KSC ELECTRONIC FORMS:** Civil Service and contractor employees are encouraged to request access to the KSC Electronic forms software. This software application allows users to access both KSC and NASA forms online from their own workstation. Bond paper copies of electronic forms will continue to be available through the FORMS WAREHOUSE until October 1, 1999. As stocks are diminished, the center will convert to on-demand printing of paper forms for users who do not have access to a computer. The internet address <http://kscforms.ksc.nasa.gov> provides software installation and usage instructions along with the entire forms index listing, including NASA forms. J-BOSC personnel should request access through the CARE Center at 867-5010. NASA personnel who receive assistance through the Outsourcing Desktop Initiative (ODIN) contract should call the ODIN Help Desk at 867-ODIN. Boeing personnel should contact their Helpdesk. All other KSC personnel can use KSC Form 28-780NS to request access. For additional information users should call the J-BOSC Forms Control Office at 867-3590. (FF-S2-A)

**INSPECTOR GENERAL:** The Office of Criminal Investigations (OCI) is the investigative arm of the NASA Inspector General. The primary mission of this component is to conduct criminal and civil investigations of reported or suspected fraudulent acts by employees, contractors, and others relating to the administration of NASA contracts and programs. Although much emphasis is placed on major procurement fraud, (particularly allegations of product substitution, cost mischarging, kickbacks, anti-trust violations, and research misconduct), investigations are also conducted of theft, conflict of interest, environmental and hazardous waste violations, health care fraud, and computer related crimes. OCI also provides fraud briefings for Government and contractor employees that are designed to highlight potential risks concerning safety, fraud, waste or mismanagement. Briefings can be scheduled by calling 867-4714. Suspected violations can be reported by calling 867-4714 locally, the toll free Hotline at 1-800-424-9183, or by writing NASA Inspector General, P. O. Box 23089, L'Enfant Plaza Station, Washington, D.C. 20024. The OIG Cyber-Hotline can be accessed at [www.hq.nasa.gov/office/oig/hq](http://www.hq.nasa.gov/office/oig/hq). (OIG)

**KSC LIBRARY:** A new document, JSC-NSTS-37328, "Mishap Investigation Team Fieldbook", has arrived at KSC for distribution. If you are interested in getting on distribution for this document and future updates, please contact the KSC Library in writing at Mailcode: Library-D or by email: [ksclibrary@ksc.nasa.gov](mailto:ksclibrary@ksc.nasa.gov). (FF-S2-A)

**KSC LIBRARY Y2K COMMUNITY PREPAREDNESS GUIDE:** The KSC Library has compiled a guide to books, articles, and websites to inform employees of possible disruptions associated with the Y2K. You may contact the library at 867-3600, pick up a copy of the guide in HQ, Room 1301, or visit our website at <http://www-lib.ksc.nasa.gov/lib/y2k.htm>. (FF-S2-A)

**KSC LIBRARY:** The following new books are available for checkout at the KSC Library. If you need information, please call 867-3600, or visit the Library in HQ, Room 1301.

Listening to the voice of the customer, #510328  
Limited by design: R&D laboratories in the US..., #510401  
Switchgear and control handbook, #510344  
Electronic Packaging, #510336  
C++ plus data structures, #510013  
Wildlife habitat management of wetlands, #510021  
Reactive hydrocarbons in the atmosphere, #510245  
Nondestructive characterization of materials..., #50278  
The body electric, #510492  
Spectral analysis and its applications, #510211  
Electrical distribution systems, #510260  
Man flies: the story of Alberto Santos-Dumont, #510351  
Discovering HTML 4.0, #510369  
Investing in innovation, #510393  
Microwave-enhanced chemistry..., #510195 (FF-S2-A)

**KSC LIBRARY:** The following change to KSC specifications/standards is available in HQ, Room 1124, Library-D, or by calling 867-3613:  
KSC-C-123H Change 4, 6/18/99 Surface cleanliness of fluid systems, specification for... (FF-S2-A)

**KSC LIBRARY:** The following specifications/standards are available in HQ, Room 1124, Library-D, or by calling 867-3613:  
JSC-SL-E-0002 Change 87, 6/30/99 "Specification electromagnetic interference characteristics, requirement for equipment" (FF-S2-A)

**KSC LIBRARY—INTERNET RESOURCES:** Applied Science and Technology Index and Business Periodicals Index are now available on the World Wide Web from KSC networks at <http://wilsonweb2.hwwilson.com/autologin/>. For assistance call 867-3600. (FF-S2-A)

**KSC LIBRARY:** Tours for the Library for individuals or groups may be scheduled by calling 867-3600. (FF-S2-A)

**KSC LIBRARY—HOURS OF OPERATION:** The Reader Services and Acquisitions Departments of the KSC Library are open from 6:45 a.m. to 5:00 p.m., Monday through Friday. The Archives and Documents/Specifications & Standards Department are open from 7:30 a.m. to 4:00 p.m.; however, assistance in all departments during the expanded hours can be obtained by calling 867-3600. (FF-S2-A)

**KSC LIBRARY—INTERNET RESOURCES:** Engineering Index and Engineering Information Village are now available on the World Wide Web from KSC networks at <http://www.ei.org>. For assistance call 867-3600. (FF-S2-A)

**MAIL SERVICES:** Requests for mail services should be submitted through your organizational admin office or contractor mail coordinator. NASA Form 28-170, "Request for Mail Services," should be utilized for additions, deletions, or changes to existing mailcodes. Adjustments to the total number of employees serviced and standard distributions required will contribute to paper conservation. (FF-S2-A)

**POSTAGE PAID ENVELOPES:** The use of postage-paid envelopes to file job applications is prohibited. Specifically, the Office of Personnel Management (OPM) has stated that it is improper to use postage-paid agency envelopes to file job applications for competitive examinations and agency merit promotion/competitive placement plans, or to appeal ratings received under these programs. OPM considers such use of Government envelopes to be personal, not for official business only, and, therefore, a violation of OPM and U.S. Postal regulations pertaining to the use of Government property. (HM-A-3)

**VOLUNTARY LEAVE TRANSFER PROGRAM:** The leave transfer program is one of the most popular benefits. To qualify for this program, an employee must establish the existence of a medical emergency (for self or family members) which is expected to result in a requirement for at least 3 days of leave without pay, after the use of existing annual and/or sick leave (earned, not advanced). Leave transfer requests must include documentation from a physician on the medical condition and an estimate of the employee's projected length of absence. If an employee wishes his/her participation in the program announced in the KSC Bulletin, or within his/her organization, he/she may include such a statement in the letter of request. Affected employees would normally initiate requests for a declaration of a medical emergency through supervisory channels; however, if they are unable to do so, their supervisor, family members, or co-workers may initiate the request. Employees wishing to donate leave may do so, subject to certain restrictions. Only earned annual (or restored) leave may be donated, and total donations of leave may not exceed one half of that which would be earned in the remainder of the current leave year. Employees wishing to donate leave are strongly encouraged to donate at least 8 hours at a time, since the effort involved in processing leave transfers is significant. Leave donor forms are available in the HM-A-3 Office and in most Administrative Offices. Donations of leave should be sent directly to HM-A-3, Room 1416, Headquarters Building. Requests for leave transfer are treated as confidential, unless the employee states otherwise. The names of donors are anonymous and will not be released except as needed to process the donation. If you have questions about the program, you may call Kathy McIntosh at 867-2504 or stop by the Personnel Office Operations Branch, HQ, Room 1404. (HM-A-3)

**COMPETITIVE PLACEMENT PLAN—JOB OPPORTUNITIES:**

Annct. No.	Position & Grade	Area of Consideration	Open/Close Date	Location
RON 32-99	Management Analyst, GS-343-12	NASA/KSC Civil Service Employees	7-22-99/7-29-99	JP

Applicants must submit an application (OF 612, Optional Application for Federal Employment, or the KSC Form 13-283, Short Form) for these positions. Applications should be submitted to Human Resources Policy, Development and Operations Branch (HM-A-3), HQ, Room 1404. (HM-A-3)

**AUTHENTICATED:**

Marilee Tewksbury, Center Services (FF-S2-A)

**FIRE CAUSES DEVASTATION AND TRAGEDY—BE FIRE CONSCIOUS  
AT HOME, WORK AND PLAY.**

U N O F F I C I A L

CAFETERIA MENU FOR WEEK OF JULY 26 THROUGH JULY 30

<b>*MONDAY</b> Beef Barley Soup HEALTHY FARE- Chicken Cacciatore Shepherd's Pie Hot Deli Sandwich- Roast Beef	<b>*TUESDAY</b> Cream of Broccoli Soup HEALTHY FARE- Tuna Noodle Casserole Boneless Breast of Chicken o/Rice Hot Deli Sandwich- Roast Pork	<b>*WEDNESDAY</b> Cream of Mushroom Soup HEALTHY FARE- Eggplant Parmesan w/Spaghetti Salisbury Steak w/Brown Gravy Hot Deli Sandwich- Corned Beef	<b>*THURSDAY</b> Black Bean Soup HEALTHY FARE- Pork Steak Casserole Chicken Fingers Hot Deli Sandwich- Roast Turkey	<b>*FRIDAY</b> Seafood Chowder HEALTHY FARE- Baked Catfish w/Hushpuppies Fried Catfish w/Hushpuppies Chicken, Mushroom & Spinach Lasagna Hot Deli Sandwich- Baked Ham
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\*Assorted vegetables, salads, desserts, and beverages available daily. Vegetable soup available daily—bowl \$1.10/cup \$0.60. Vegetable plate available daily—three vegetables for \$2.20. Each Wednesday and Friday a "Cook's Special of the Day" is available and will be posted in each cafeteria. Menu subject to change due to market conditions or availability.

**NASA EXCHANGE:** Stop by and get your own STS-93 memorabilia, destined to be collector items! New merchandise is arriving daily so stop by and browse. Our HQ, O&C, and SSPF stores are open from 7:00 a.m. to 4:30 p.m., Monday through Friday, and our OSB store is open from 7:00 a.m. to 8:00 p.m., Monday through Friday, for you shopping convenience.

**KSC EXCHANGE SERVICE STATION:** Lube, oil, and filter—just \$18.95. Includes up to 5 quarts of oil, check fluid levels, tire pressure and tires, belts, hoses, alternator, battery, and a visual safety check. Pay at the pump is now open 24 hours/day, 7 days/week. Citgo and all major credit cards accepted. We now have diesel fuel. For an appointment, or more information, call 453-1254.

**KENNEDY SPACE CENTER FEDERAL CREDIT UNION REPOS:** Repos located at the Merritt Island office. 1995 Chevy C-1500 pickup, \$14,550; 1996 Toyota Corolla, \$7995; 1995 Honda Civic, \$7200; 1995 Pontiac Firebird, \$12,995; 1996 Plymouth Voyager Mini Van, \$8500; 1997 Chevy Camaro convertible, \$16,500. Call 455-9400, ext. 251.

**KARS CO-ED SOFTBALL LEAGUE:** The Co-ed Softball organizational meeting will be held in the Training Auditorium, Room 111, at 11 a.m., on July 29, 1999. For further information, please email John W. Robb.

**WEIGHT WATCHERS AT WORK:** Get in the summer spirit!!! Lose those extra pounds. New session starts July 22 in the HQ building, Room 2414, at 11:30 a.m. Meetings will be on Thursday's. For more information call Marilyn at 452-0884.

**ODIN/KSC IT EXPO:** Important announcement to KSC Employees—OAO invites you to the first ODIN/KSC IT Expo, which will be held on July 29, 1999, in the O&C Mission Briefing Room, from 11 a.m. to 5 p.m. Come meet with representatives from OAO, Compaq, Microsoft, Apple, and others to discuss the ODIN Model current computer technology, and what is coming in the future. Refreshments will be served.



**INTERNATIONAL ASSOCIATION OF ADMINISTRATIVE PROFESSIONALS (IAAP):** The Central Brevard Chapter of IAAP will be having its monthly meeting at 5:30 p.m. on July 28, 1999, at the Mediterranean Grill, 862 North Cocoa Boulevard, Cocoa, Florida. If you are curious about this professional organization and want to know more, come to the meeting. This dinner meeting will consist of an entrée, salad/soup, tea or coffee, and a guest speaker, all for \$10 per person. RSVP to Teresa Adams, CPS, at 773-4264, by 12:00 noon, Monday, July 26, 1999, if you plan to attend.

**MICROSOFT OFFICE 97 ON-SITE TRAINING:** The Astronauts Memorial Foundation (AMF) is now offering Microsoft Office 97 applications training (PowerPoint, Access and Excel) to NASA and contractor personnel. The hands-on training sessions are conducted at the Center for Space Education located at the KSC Visitor Complex. Carrie Parrish and Terry Stefanovic of the AMF Educational Staff are also available to answer your questions and can be reached at 452-2887.

**KSC TOASTMASTERS:** Space Center employees are constantly in the public eye and in situations which require you to represent the United States Space Program. Employees are encouraged to develop their communication and leadership skills to meet this challenge. Toastmasters International is a professional, multi-level training program for both beginning and advanced education in the critical skills of "listening, thinking, and speaking"—all important tools in both the work environment and your personal lives. NASA has recognized this by reimbursing civil servants for the cost of training. For more information on the Toastmasters organizations and the three different locations/dates for training sessions at KSC and CCAS, contact Mike Schnoke, Jack Jamba, Bill Cleaver, Dian Hardison, or Nona Mamaradlo at 784-7502.

**BREVARD COMMUNITY COLLEGE (BCC):** BCC is arranging for an upgrading of the Logistics Systems Technology Degree Curriculum and also the offering of a Degree in Transportation Management. Two courses, one for each of the two degrees, have been added to the published Fall term listing of courses. ETI-1200-70K "Introduction to Logistics," 3 credit hours, 5:00 p.m. to 7:45 p.m., Room 1116G, NETC, Wednesdays; TRA-1032-70K "Introduction to Transportation and Traffic Management," 3 credit hours, 5:00 p.m. to 7:45 p.m., Thursdays, Room 116G, NETC. For further information, call 449-5046/5051, or visit BCC offices in the NASA Education and Training Center.

**BREVARD COMMUNITY COLLEGE (BCC):** Notice #1. Fall Semester schedule of classes will be published July 1 in the Florida Today newspaper and copies of the schedule will be distributed to Training Offices. Copies of the schedule will also be available from the BCC office at the NASA KSC Education & Training Center Office, 449-5046. Notice #2: **Registration for Fall Semester Classes (at all BCC campuses including KSC/CCAS) for KSC/CAS personnel will be conducted by the Titusville Campus Student Development Office. telephone number 632-1111, ext. 42005, versus the KSC BOC office.**

**EMBRY-RIDDLE UNIVERSITY:** Embry-Riddle University will be offering a Master of Science in Industrial Optimization Degree Program on-site at KSC beginning in August, 1999. The 2-year program is designed to assist scientists and engineers in developing optimization and statistical quality improvement skills for product design and process improvement. The courses will be taught one-at-a-time in a 9-week term format. This practical program will use aerospace case studies and emphasize computer applications. Applications should be submitted immediately to afford time to process the applications prior to the program start date. For more information and a schedule of classes, send an email message to [osborned@db.erau.edu](mailto:osborned@db.erau.edu) or contact Dr. Deborah Osborne, Program Coordinator, at 904/226-7688.

**FLORIDA INSTITUTE OF TECHNOLOGY:** Florida Tech offers a variety of master's degree programs, e.g., Master of Science in: Management, Computer Information Systems, Space Systems, Engineering Management, Acquisition and Contract Management. Florida Tech is located at the NASA Education and Training Center, corner of 2<sup>nd</sup> Street and B Avenue (Industrial Area). Fall registration begins July 26, with classes starting the week of August 30. To obtain a catalog and/or application, please call 453-2030 or 784-2045.

**FLORIDA SPACE INSTITUTE FALL 1999 COURSE SCHEDULE:** Florida Space Institute's (FSI) Educational Division will be sponsoring courses at KSC and Cape Canaveral Air Station (CCAS) for the Fall 1999 term. A Graduate course offered in **Spacecraft Design** is open to students of all engineering disciplines. The Undergraduate course selection includes **Satellite Communications, Satellite Payloads, Introduction Space System Technology, Applied Boundary Value Problems I, and Space Science & Technology** scheduled to be taught by **former astronaut Dr. Sam Durrance**. Some courses may apply to two new programs sponsored by FSI: A Master of Science in Aerospace Engineering (MSAE) and an Undergraduate Space Studies Minor from the University of Central Florida's Mechanical, Materials and Aerospace Engineering Department. FSI's Educational Division is comprised of colleges and universities that offer "practice-based" courses to students. Current schools participating include: Brevard Community College, Broward Community College, Embry Riddle Aeronautical University, Florida Tech and the University of Central Florida. For further information, please contact Cassie Spears, Academic Coordinator, at 730-2603. Class listings can be obtained through the FSI website: <http://fsi.ucf.edu/>.

**UNIVERSITY OF CENTRAL FLORIDA ENGINEERING MANAGEMENT ORIENTATION SESSIONS:** UCF's department of Industrial Engineering and Management Systems will be holding orientation sessions for their 1999-2001 on-site Master of Science Engineering Management program. The program is designed to meet the special needs of KSC/CCAS professionals. The first session is scheduled for **July 27, from 2:30 p.m. – 4:00 p.m., in Room 119, KSC Training Auditorium, Building M7-351**. Another session is schedule for **July 28, from 2:30 p.m. – 4:00 p.m., in the 2<sup>nd</sup> floor conference room, Building AM**, located on the west side of Hangar Road, at CCAS. **All interested parties are encouraged to attend either session.** For more information, please contact Cassie Spears at 730-2603.

**UNIVERSITY OF CENTRAL FLORIDA REGISTRATION:** UCF will offer Graduate Engineering and Undergraduate Engineering Technology taped courses through the Florida Engineering Education Delivery System (FEEDS) at Cape Canaveral Air Station (CCAS) for the Fall 1999 semester. Fall term begins August 19 and runs through December 4. Classes will be held in Room 123, Building AM (north entrance), located on the west side of Hangar Road at CCAS. Courses in FEEDS can lead to Master's degrees in Civil, Environmental, Computer, Electrical, Industrial, Engineering Management, Mechanical and Aerospace disciplines. Undergraduate offered courses can apply towards a Bachelor's degree in the field of Engineering Technology. **Early registration is continuing for all UCF courses through July 30. For registration hours and further information, please contact Cassie Spears at 730-2603.** FEEDS course listings can also be obtained through the Florida Space Institute website: <http://fsi.ucf.edu/>.

**PERSONALITY PREFERENCE TESTING:** Robin Lusardi and Sherryl Vida of our **CTAP** office are certified to administer and interpret **The Myers-Briggs Type Indicator** evaluation. Discover the real YOU! Capitalize on your personality type and communication skills. They will also meet with NASA work groups to discuss how working productively and smoothly requires an understanding of ourselves as well as our co-workers. Telephone Robin or Sherryl at **CTAP**, 867-4350.



KSC Recycles

P E R S O N A L

CARPPOOLS

Vanpool seats: Daytona/Port Orange/New Smyrna to OPF/VAB/LCC Areas, 6:30/7:00-3:30, Steve, 861-1485/904-238-3629.  
Vanpool seats: IHB/Satellite Beach/PAFB/CB/CC to CCAS/KSC Industrial Area, 7:30-4:30, Anderson, 867-6135/777-5632.  
Vanpool seats: Satellite Beach/CB/CC to CRCA/LOG/OSB/VAB/LCC Areas, 7:00-3:30, Wendy, 861-6001/773-5822.  
Vanpool seats: Melbourne Beach/Indialantic/IHB/CB/Cape Canaveral to CCAS/KSC Industrial Area/VAB, 7:15-3:45, Goodrich, 867-6956/725-7383.  
Vanpool seats: Melbourne to LC-39, 7:00-3:30, seats available, John Coriell, 861-5620/259-1955.  
Vanpool seats: Melbourne/Eau Gallie to KSC Industrial Area, 7:30-4:00, Don, 867-4634.  
Vanpool seats: Melbourne/Eau Gallie/Viera to OSB/LOG/VAB/OPF/LCC/Pad A & B, Galbraith, 861-0762/259-3138.  
Vanpool seats: Palm Bay/Melbourne/Viera to KSC Industrial Area, 7:00-3:45, Steve, 867-3812/724-5436.  
Vanpool seats: Palm Bay/Melbourne to KSC Industrial Area, 7:30-4:00, Ed, 867-4500/676-2533.  
Vanpool seats: Palm Bay/Melbourne (Eau Gallie Blvd.)/Suntree (Budgetel Inn) to KSC Industrial Area, 8:00-4:30, Ed, 867-0851/984-3861.  
Vanpool seats: Palm Bay/Suntree to LC-39/OPF/Logistics/OSB/PCC, 7:00-3:30, Mark, 861-0991/725-6677.  
Vanpool seats: Palm Bay/Eau Gallie/Suntree to USBI/OSB/LCC/VAB/OPF Areas, 7:00-3:45, Dan, 861-2488/952-8840.  
Vanpool seats: Palm Bay/I-95-Malabar Road/Melbourne to CCAS Industrial Area, Rick, 853-9807/722-3649.  
Vanpool seats: Rockledge/Cocoa Areas to KSC, 6:45-3:30, home pickup possible, Richard, 867-2380/639-2974.  
Vanpool seats: Daytona/New Smyrna to OPF/VAB/LCC/Pads/ARF, 7:00-3:30, Tom, 867-7042/904-409-3923.  
Vanpool seats: E. Orlando/Hwy. 50 Tiffanys/Wal-Mart/Bithlo to LC-39 Areas/Heavy Equip./OSB/Complexes/PCC, 7:00-3:30, Gene, 861-0731/677-7394.  
Vanpool seats: Orlando/Conway Area via Hwy. 50 to KSC North Areas, 7:00-3:30, Schaefer, 861-5640/273-3048.  
Vanpool seats: Orlando/Conway/Union Park/Bithlo to VAB, USBI, OSB & Wiltech Areas, 7:00-3:45, Fishell, 861-2470/407-859-4009.  
Vanpool seats: Orlando Fashion Square/Hwy. 50/Sam's Club to O&C/HQ/CIF/LC-39 & Logistics Areas, Al, 867-4457/894-3068.  
Vanpool seats: Orlando/West 50 & Hiawassee/Metro West/Goldenrod & E/W /Alafaya & 50 to KSC Industrial Area, 7:15-4:00, Ed, 867-3587/299-7543.  
Vanpool seats: E. Colonial at Alafaya to KSC Industrial Area, 8:00-4:30, Erik, 867-3333/657-6032.  
Vanpool seats: E. Colonial at Alafaya to KSC Industrial Area, 7:30-4:00, Don, 867-6010/365-0586.  
Vanpool seats: E. Colonial at Alafaya/419 Park & Ride to KSC Industrial Area, 7:00-3:30, David, 867-7138.  
Vanpool seats: E. Colonial at Dean Road/419 Park & Ride to KSC Industrial Area, 7:00-4:00, Browning, 867-7468/277-8997.  
Vanpool seats: W. Colonial/Kirkman Road/Dean Road/Bithlow Park & Ride to LC-39 Areas, 7:00-3:30, Hall, 861-5355/422-3681.  
Carpool: Melbourne to KSC Industrial Area, Dominguez, 867-3072/952-9460.  
Carpool: Sandord/Geneva/Oviedo to OSB/VAB Area, 7:00-3:45, Chris, 861-2188/321-8461.  
Ride needed/form carpool: Coventry of Cocoa (Highway 524) to O&C Building, 8:00-4:30, Setzer, 867-8681/639-9062.  
Ride needed/form carpool: Daytona Beach to SSPF, non-smoker, 8:00-4:30, Ray, 867-0789.  
Ride needed/form carpool: N. Melbourne/Indialantic/Satellite Beach to CCAS/LOCC/CX36, 7:00-3:30, Cyrus (Siroos), 853-3361/259-5641.  
Ride needed/form carpool: N. Melbourne/Eau Gallie to LCC area, flexible hours, David, 861-6994/259-8944.  
Ride needed/form carpool: Rockledge to CCAS/ROCC, 7:00-3:00, Wallace, 853-5211/633-9434.  
Ride needed/form carpool: Titusville, Highway 50 and Barna to HQ/O&C Areas, non-smoker, 7:00-3:30, flexible, Zeitlin, 861-7909/269-2695.  
Ride needed/form carpool: Titusville, U.S. 1 to Patrick AFB, AFTAC Area, Shawn, 867-3073/259-6679.  
Ride needed/form carpool: S. Titusville to CCAS Industrial Area, non-smoker, 7:00-3:30, Williams, 853-2592/268-2974.

GARAGE SALE

Garage sale: July 24, Merritt Island, 515 Allen Drive, Merrill, 383-3360.  
Garage sale: July 24, 8-?, Port St. John, 6685 Hundred Acre Drive, household goods, baby items, more, Eastman, 504-1142.

**REAL ESTATE FOR SALE**

House: Cocoa, 3583 James Road, 3-B/R, 2-bath, 2-car garage, 1.0 acre, fireplace, tile, 1000 sq. ft. detached garage/workshop, \$119,900, 453-5452.  
House: West Melbourne, 2 blocks from Melbourne Mall, 3-B/R, 2-bath, family room, recently remodeled, Dominicus, 254-8565.  
House: Titusville, 3-B/R, 2-bath, 2-car garage, new paint/carpet/vinyl, large patio, fenced yard, \$69,000, Frank, 269-3449.  
Condo: Cocoa Beach, 2-B/R, 1-bath, garage, laundry room w/washer & dryer, 1 block to beach, \$50,000, Rusty, 784-8601.  
Condo: La Cita, 3<sup>rd</sup> green, 2-B/R, 2-bath, stone fireplace, 1-car garage, oak cabinets throughout, wetbar, partially furnished, like new, \$89,900, 268-5333.  
Townhouse: Cape Canaveral, Ocean Woods, 2-B/R, 1 1/2-bath, upgraded, carport, Jacuzzi, new fence & A/C, gated community, \$71,900, Stone, 784-2812.

**AUTOMOBILES & RV'S FOR SALE**

1966 Ford Mustang classic, runs good, some rust, Adams, 269-2876, after 6 p.m.  
1972 Cadillac hearse, 69,000 original miles, \$3500/B.O., Willis, 454-3646.  
1988 Volkswagen Fox, needs work, excellent interior, B.O., Peter, 268-2169.  
1988 Nissan Pathfinder SE, 4wd, 3L, V6, 5-speed MT, C/C, P/W, P/L, sunroof, AM/FM/cassette, clean, no rust, garage kept, \$6200, Parsons, 779-4545.  
1990 Mazda 626, loaded, very clean, good tires, \$4000, Lewellen, 452-7917.  
1990 GMC hightop van, wheelchair lift, \$1000; 1989 Buick Park Avenue, 120,000 miles, \$1500, Bigos, 268-8368.  
1990 Coleman Sequoia popup camper, sleeps 7, rooftop A/C, 2 stoves, awning, new tires, mint condition, garage kept, 1 owner, \$3895, Onovi, 268-1571.  
1991 Plymouth Voyager LE, 3.0, V6, A/C, P/W, P/L, P/B, new tires, \$3500, Lewellen, 452-7917.  
1991 Volvo 240, new A/C & computer, A/T, P/S, P/B, sunroof, alarm system, cassette, excellent condition, \$5500/B.O., 267-0993.  
1992 Oldsmobile Achieva, 4-door, A/C, A/T, P/L, spoiler, 89,000 miles, assumable warranty, runs great, Huber, 452-5197.  
1992 Chrysler Town & country, loaded, leather interior, new tires, tinted windows, 1 owner, \$8000, Mike, 784-4841.  
1992 Honda Civic LX, 5-speed, A/C, 97,200 miles, \$5500, Haskins, 452-6717.  
1992 Chrysler Town & Country mini van, loaded, leather interior, tinted windows, 1 owner, \$7000/B.O., Mike, 784-4841.  
1993 Ford Taurus wagon, seats 8, all options, clean, current inspection, garage kept, tinted windows, 72,000 miles, \$6995, Steve, 268-8825.  
1994 Pontiac Grand Prix, 4-door, all power, AM/FM/cassette, red, 82,000 miles, \$6350/B.O., George, 455-6423.  
1994 Pontiac Sunbird LE, 4-door, A/C, A/T, P/W, P/L, tilt, C/C, P/S, AM/FM/cassette, blue, 64,000 miles, \$4500, Stonk, 568-2933.  
1995 Ford F350 XLT dually, crew cab, diesel, 5-speed, A/C, all power, 5<sup>th</sup> wheel gooseneck, toolbox, bedrails, 100 gallon gas tank, \$20,995/B.O., 722-3545.  
1995 GMC Safari van, 4.3L, V6, front/rear A/C, P/W, P/L, ABS, tinted windows, 62,000 miles, \$10,500, Mike, 264-3288.  
1995 Chevy Camaro Z28, black/black, A/T, T-tops, alarm system, tinted windows, extended warranty, \$10,500, Johnson, 633-6850.  
1996 Mazda Miata, 5-speed, new battery/tires, recently serviced, 33,000 miles, excellent condition, \$12,750, St. Jean, 459-1090.  
1997 Honda Civic HX, V-Tech engine, 5-speed, dual airbags, A/C, P/W, P/S, P/B, P/L, stereo, alloy wheels, silver, warranty, \$10,000/B.O., 455-2997.  
1997 Mercury Tracer wagon, A/C, P/S, P/B, stereo, \$12,000, Dave, 639-4239, after 5 p.m.

**HOUSEHOLD FURNISHINGS FOR SALE**

2 Early American matching floral sofas w/2 matching Wingback chairs & 2 Ethan Allen swivel rockers w/ottoman, \$900, may separate, 632-3903.  
Brass/glass dining table, 3'x5', \$50; bookshelf w/2 shelves, dark wood, \$15, Dan, 633-6805, after 3 p.m., or leave message.  
Sleeper sofa, loveseat, chair, fair/good condition, \$500/B.O., Wendling, 690-1207, 6 p.m. to 10 p.m.  
Wooden bunkbeds, stacked or separate, 3 drawers, bookshelf headboards, \$100, Lewellen, 452-7917.  
Sofa, 7', beige, excellent condition, \$150, Jeff, 269-7823.  
Antique single bed, new mattress & box spring, \$100/firm, 639-4229.  
Antique walnut twin beds w/headboards & footboards, bureau w/mirror, nightstand, \$250, Crouse, 269-2930, evenings.  
4-drawer dresser, \$50/B.O.; 2 6-drawer dressers, \$40 & \$60/B.O.; king headboard w/frame, \$80/B.O., Kruhm, 452-1332.  
Wooden rollout desk, \$35; desk chair, \$25, Stork, 568-2933.  
Crib, new mattress, bumpers, potty seat, \$50; Barrel style oval table w/leaf, \$25; typing chair, \$30; 2-drawer file cabinet, \$20, 632-1242, after 5 p.m.  
Oval table, 2 leaves, chairs, light wood, \$75, Shannon, 268-9849.  
Western king bed, dresser, bookshelf, 2 end tables, \$200; stereo cabinet, \$10, Lewis, 264-5950.  
Dual chaise reclining sofa, good condition, \$125; sofa & loveseat, burgundy suede, like new, \$600, Fergerson, 452-5055.  
Queen waterbed, 4 drawers, headboard w/shelves & mirror, dark wood, needs new heater, \$75, Joann, 267-3556, leave message.  
Oak stereo/TV console cabinet w/smoked glass doors, 22 1/2" x 31" TV space, \$115, Jim, 773-7865.  
Sofabed, full sized, navy blue, traditional, good condition, \$75, Tibbetts, 452-1079.  
Queen box spring & mattress, 9-drawer dresser, 6-drawer dresser, 2 nightstands, walnut, \$400, Gastelum, 632-0982.  
Little Tykes toddle racecar bed, \$65, Wilson, 631-8884.  
Queen waterbed, small bookcase headboard, needs heater & liner, Krewson, 632-7389.

**APPLIANCES FOR SALE**

G. E. Americana stove, oven above range, \$100, Stephan, 452-6809.  
G. E. range, 4 European style burners, self-cleaning oven w/removable door, \$250, 636-7435.  
Kenmore dehumidifier, Model 5925, \$100; Whirlpool washer, \$100, both work great, Weber, 631-8772.

**MOTORCYCLES & EQUIPMENT FOR SALE**

1976 Harley Davidson Sportster, 1000cc, lowered, chromed, like new, \$4500, Rusty, 784-8601.  
1983 Honda Magna V45, great parts/project bike, runs, \$300/B.O., Stone, 784-2812.  
Suzuki moped, runs good, dependable, \$225, Gerard, 783-3318.  
1997 Honda Magna, loaded, black cruiser, unlimited warranty until 10/1/2001, \$5500; single motorcycle trailer, \$200, Torres, 633-7468, leave message.  
1998 Yamaha 250 Timberwolf, 4-wheeler, front/rear racks, less than 30 hours use, \$2800, Griffith, 658-6432.

**BOATS & EQUIPMENT FOR SALE**

14' semi-V aluminum boat, galvanized trailer, \$300, Bill, 494-5210.  
14' North American Zodiac inflatable, Magic drive-on trailer, 20 h.p. Mariner, detachable steering column, pump, oaks, vests, anchor, \$1200, Ray, 868-1737.  
16' Chaparral bowrider, 1984, 80 h.p. Mercury O/B, stainless steel prop, dualfin, fishfinder, galvanized trailer, rebuilt, new battery, \$2400/B.O., 633-7579.  
19' Montego sailboat, trailer, extras, \$1900 w/o motor, \$2800 w/new 6 h.p. motor, Sofge, 633-0533.  
24' Sportcraft, 1968, camper top, dual axle trailer, trim tabs, engine needs installed, \$1450; 1986 Cobia bowrider, good interior/exterior, \$1850, 453-5823.  
36' S-2 sailboat, 1980, center cockpit, large aft cabin, full electronics, diesel, full enclosure, lots of extras, excellent condition, \$39,900, Iffinger, 452-2057.  
1991 Yamaha Waverunner, trailer, \$1000; 19' fiberglass canoe, \$175, Crouse, 269-2930.  
1995 Sea Doo GTS, 3-seater, like new, rarely driven, garage kept, \$3850, Vargas, 454-4979.  
1998 Perception Sea Kayak (composite), includes spray skirt, pump, Expedition paddle, new condition, \$2000/firm, Luce, 631-7785.  
Aquaterra ocean kayak, Big Kahuna, \$500, 783-1785.  
2 Olympic K1 kayaks, 1 Nueman, 1 Gaybo, excellent condition, \$250/each, Rusty, 784-8601.  
15 h.p. Honda, 4-stroke, never used, under warranty, \$1800, Ives, 452-1117.  
Heart 2500 inverter, 24 valve, 110 volt, remote, \$395/B.O., 783-4818.  
Windshield for 1997 15' Key West center console, 23"l x 14"h, good condition, \$30, 453-9690.

**MUSICAL INSTRUMENTS & ELECTRONIC EQUIPMENT FOR SALE**

Cyrix 150 computer, 32 meg Ram, 1 GB H/D, CD, sound, mouse, 56K modem, 15" monitor, \$389, Barney, 724-1403, leave message.  
Bose speaker system, Acoustimass 5, Series II, new, warranty, \$300, Miller, 264-9819.  
Sony Handycam, Video 8, 10X, batteries, charger, cables, case, \$250, Forbes, 269-7320.  
Beta VCR, \$25, Taylor, 242-3327.  
Flexport 4 plus, 2 high speed I/O card, used once, in original box w/manuals & cables, \$40, 639-4229.  
Sewing machine in Formica cabinet, needs repair, \$75, Stonk, 568-2933.  
Magnavox 41" big screen TV, excellent condition, \$495/B.O., Prentis, 724-5436.  
486 DX2, 50 MHZ, 16 Mb ram, 420 Mb H/D, CD ROM, 15" monitor, \$250, Dave, 639-4239, after 5 p.m.  
Pioneer 100 watt speakers, \$30, Callahan, 632-1242, after 5 p.m.

**MISCELLANEOUS FOR SALE**

Graco walker, \$10; Graco stroller, navy/white, \$40, Dan, 633-6805, after 3 p.m., leave message.  
Kitchen cabinets, 5 total, \$100; stainless steel sink, \$25, Stephan, 452-6809.  
Espresso maker, like new, \$5; 2 auto jacks, \$5; Sears 1 acre bug zapper, \$15; fertilizer spreader, \$10; 2 gopher ultrasonic repellers, \$10, Chris, 453-7916.  
1986 Ford truck shop manuals, \$20; 5 candelabra ceiling light, \$25; North American Bear VIB plush ornaments, 16 total, \$100, Duncan, 639-3516.  
Dog kennel, 10' square x 6'h, chain link, \$150, Miller, 264-9819.  
Genie, 3 h.p., 20 gallon, wet/dry vac, like new, \$40, Gambill, 459-2120.  
Ladies leather jacket, vest, chaps, \$250, Bruce, 633-6121.  
Craftsman riding lawnmower, 30" cut, needs work, \$100, Kent, 453-5823.  
Sears 5 h.p. chipper/shredder, \$275; wood burning stove, B.O.; sinks, tub, toilets, windows, more, before demolition, B.O., Kruhm, 452-1332.  
Invacare hospital bed, electronic controlled, \$500, King, 799-5435.  
2 Firestone P235/75/R15 tires, lots of miles left, \$35, Jim, 454-3439.  
Air compressor, 5 h.p., 20 gallon, 240 vac, 9.35 cfm @ 90 psig, \$220, Mercer, 633-6241.  
Towbar assembly, 2 total, Chrysler New Yorker, Lincoln Mark VIII, \$35/each, Callahan, 632-1242, after 5 p.m.  
Antique Baptismal outfit, \$75; pickup truck toolbox, \$30; 6' Christmas tree, \$50; 3 Barbie crochet wedding ensembles, \$130 to \$200, Beverly, 504-4544.  
4 tires & rims, 5 lug, off Subaru Legacy, \$100, Shannon, 268-9849.  
1998 Mustang bra, new, \$100, Lewis, 264-5950.  
2 Bag Boy golf carts w/seat, \$25/each, Fergerson, 452-5055.  
Miami Dolphins pre-season games: New Orleans Saint, 8-13, 7:30 p.m.; Detroit Lions, 8-28, 7 p.m.; parking, \$11, 4 tickets/game, \$37/ticket, 631-5156.  
Porcelain antique dolls, fully dressed, Falzone, 631-6158.  
Raleigh mountain bicycle, aluminum/chrome frame, Indy C fork, clipless pedals, \$225, Gerald, 454-6860.  
4 Dunlop SP 20 A/S, off 1998 Nissan 200 SX, P175/65 R14 tires, only 10,000 miles, \$150/B.O., Chris, 449-9976.  
Murray riding lawnmower, excellent condition, \$500; Dynamark riding lawnmower, works, \$200, Travis, 453-7277.  
Little Tykes log cabin, \$50; rocking horse w/sounds, \$35, Wilson, 631-8884.  
Draw-tite hitch for Toyota Corolla, 1998, \$25, 453-9690.  
Chevy rally wheels w/B.F. Goodrich T.A.'s, 14", show quality, set of 4, \$600/B.O., Hosea, 904-532-1597.

**MISCELLANEOUS WANTED**

Information about on-site Russian language classes, Rose, 861-4736.  
Popup camper or mid sized RV for rent, Fall, 1999, to be used in Central Florida, Alan, 452-8422.  
Bicycle trailer for 1 or 2 infants, Tony, 728-2326.  
27" power boat w/cabin, A/C, bath, twin engines; 5 person spa w/top, O'Rourke, 633-7340.  
Aquarium w/stand, 100 gallon up; canoe; 6 person spa, good condition; condo rental, Cocoa Beach, July or August, Lewis, 264-5950.  
Concrete round patio table w/benches, Hendricks, 452-4989.  
Steel watertank, 30-120 gallon, 268-4495.  
16' fiberglass push pole, cheap, 453-9690.

**FOR SALE OR TRADE**

1991 Kawasaki KX-125, runs/looks good, extras, \$1200/trade, Gerard, 783-3318.  
16' Bonito bowrider w/60 h.p. Evinrude, trailer, trade for 4-wheeler, Welch, 267-4848.



867-4714

